

Message

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**From:** JOHNSON York [York.JOHNSON@state.or.us]  
**Sent:** 4/12/2018 6:51:33 PM  
**To:** Brown, Cheryl A. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]  
**Subject:** RE: Conference call/discussion with Tarang Khangaonkar (PNNL) about Oregon Coastal dissolved oxygen and ocean acidification modeling  
**Attachments:** oah-deq.pdf

Hello Cheryl,

Here is the letter of support for DEQ.

Thanks,

York Johnson

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Department of Environmental Quality  
North Coast Basin Coordinator  
2310 1st St, Suite 4  
Tillamook, OR 97141  
(503) 801-5092  
[johnson.york@deg.state.or.us](mailto:johnson.york@deg.state.or.us)

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**From:** Brown, Cheryl A. [mailto:Brown.Cheryl@epa.gov]  
**Sent:** Wednesday, April 11, 2018 3:43 PM  
**To:** JOHNSON York <York.JOHNSON@state.or.us>  
**Subject:** RE: Conference call/discussion with Tarang Khangaonkar (PNNL) about Oregon Coastal dissolved oxygen and ocean acidification modeling

Thanks for sharing this info. We have heard mention of this. It would be great to be able to link to Tillamook.

No problem regarding timeline for support letter. I just wanted to make sure that it didn't get lost in my inbox (sigh!).

Be in touch soon,  
Cheryl

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**From:** JOHNSON York [mailto:York.JOHNSON@state.or.us]  
**Sent:** Wednesday, April 11, 2018 2:49 PM  
**To:** Brown, Cheryl A. <[Brown.Cheryl@epa.gov](mailto:Brown.Cheryl@epa.gov)>  
**Subject:** FW: Conference call/discussion with Tarang Khangaonkar (PNNL) about Oregon Coastal dissolved oxygen and ocean acidification modeling

Hello Cheryl,

Here are some notes from the DEQ conversation with Tarang. Please keep this information confidential. I think DEQ's priority will be to look for uses in the Mid-Coast TMDL development effort. However, if we could take advantage of a possible DEQ partnership to include the Tillamook that would be great, if you think there would be utility in that.

I've sent a draft letter of support for the OA NARS proposal to DEQ HQ and Lab personnel. As soon as I receive a signed letter I'll forward it on. Is there a deadline that we need to meet, beyond last Friday?

Thanks,

York Johnson

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**From:** SOBOTA Daniel

**Sent:** Wednesday, April 11, 2018 2:11 PM

**To:** FOSTER Eugene P <[FOSTER.Eugene@deq.state.or.us](mailto:FOSTER.Eugene@deq.state.or.us)>; 'Khangaonkar, Tarang P' <[Tarang.Khangaonkar@pnnl.gov](mailto:Tarang.Khangaonkar@pnnl.gov)>; TARNOW Karen E <[TARNOW.Karen@deq.state.or.us](mailto:TARNOW.Karen@deq.state.or.us)>; WALTZ David <[Waltz.David@deq.state.or.us](mailto:Waltz.David@deq.state.or.us)>; DUGGAN Bryan <[DUGGAN.Bryan@deq.state.or.us](mailto:DUGGAN.Bryan@deq.state.or.us)>; JOHNSON York <[JOHNSON.York@deq.state.or.us](mailto:JOHNSON.York@deq.state.or.us)>; BLOOM James <[BLOOM.James@deq.state.or.us](mailto:BLOOM.James@deq.state.or.us)>; PILLSBURY Lori <[PILLSBURY.Lori@deq.state.or.us](mailto:PILLSBURY.Lori@deq.state.or.us)>; STURDEVANT Debra <[STURDEVANT.Debra@deq.state.or.us](mailto:STURDEVANT.Debra@deq.state.or.us)>; MCCONAGHIE James <[McConaghie.James@deq.state.or.us](mailto:McConaghie.James@deq.state.or.us)>; BOROK Aron <[Borok.Aron@deq.state.or.us](mailto:Borok.Aron@deq.state.or.us)>; EMERSON Joshua <[Emerson.Joshua@deq.state.or.us](mailto:Emerson.Joshua@deq.state.or.us)>  
**Cc:** MICHIE Ryan <[Michie.Ryan@deq.state.or.us](mailto:Michie.Ryan@deq.state.or.us)>; WITHINGTON Anna <[WITHINGTON.Anna@deq.state.or.us](mailto:WITHINGTON.Anna@deq.state.or.us)>; ANTHONY Becky <[Anthony.Becky@deq.state.or.us](mailto:Anthony.Becky@deq.state.or.us)>; 'Marshallonis, Dino' <[Marshallonis.Dino@epa.gov](mailto:Marshallonis.Dino@epa.gov)>; 'Henning, Alan' <[Henning.Alan@epa.gov](mailto:Henning.Alan@epa.gov)>; 'Peter Leinenbach' <[Leinenbach.Peter@epamail.epa.gov](mailto:Leinenbach.Peter@epamail.epa.gov)>; GIRARD Kendra <[GIRARD.Kendra@deq.state.or.us](mailto:GIRARD.Kendra@deq.state.or.us)>; DONALD Colin <[Donald.Colin@deq.state.or.us](mailto:Donald.Colin@deq.state.or.us)>

**Subject:** RE: Conference call/discussion with Tarang Khangaonkar (PNNL) about Oregon Coastal dissolved oxygen and ocean acidification modeling

Hi all,

Thanks to Tarang for presenting the overview of the Salish Sea Model and potential applications to the Oregon Coast yesterday. Speaking for myself, I found the presentation and potential applications in Oregon fascinating and would like to keep the conversation moving forward.

I have drafted up some notes, questions, and action items from the presentation and discussion. I included on the attendees list all that I had written down; if I missed you please add your name in track changes and send the document back to me so that I can compile a final version. Also feel free to add to or correct any information I have in the document in track changes.

Thanks,

Dan

-----Original Appointment-----

**From:** SOBOTA Daniel

**Sent:** Friday, March 09, 2018 9:52 AM

**To:** SOBOTA Daniel; FOSTER Eugene P; 'Khangaonkar, Tarang P'; TARNOW Karen E; WALTZ David; DUGGAN Bryan; JOHNSON York; BLOOM James; PILLSBURY Lori; STURDEVANT Debra; MCCONAGHIE James; BOROK Aron; EMERSON Joshua

**Cc:** MICHIE Ryan; WITHINGTON Anna; ANTHONY Becky; 'Marshallonis, Dino'; 'Henning, Alan'; 'Peter Leinenbach'; LOBOY Zach; GIRARD Kendra; DONALD Colin

**Subject:** Conference call/discussion with Tarang Khangaonkar (PNNL) about Oregon Coastal dissolved oxygen and ocean

acidification modeling

**When:** Tuesday, April 10, 2018 2:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference room 1110

Hi all,

I just wanted to send a quick reminder about our conference call about the Salish Sea Model scheduled one week from today. See below for details. Talk you next week!

Dan

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Hi all,

I am setting up a conference call with Dr. Tarang Khangaonkar of PNNL-Battelle to have him present on overview of the Salish Sea Model (<https://salish-sea.pnnl.gov/>) and how it might be used in our work at DEQ. Gene and I saw Tarang give a presentation last year on the model, which has been extended downward along the Oregon Coast, and think it could be useful in TMDLs and other work related to the coastal zone and estuaries.

For those of you on the Mid-Coast team, you'll see that I pre-emptively scheduled the conference call over the Mid-Coast check-in; I figured this would be an acceptable override.

Also, if you think others at DEQ that should be involved (I'd like to keep this internal for now), please forward on the invite. The call information and web login information is below.

Dan

- Audio Conference

- o USA Toll-Free: [Personal Privacy / Ex. 6]
- o USA Caller Paid/International Toll: [Personal Privacy / Ex. 6]
- o Access Code: [Personal Privacy / Ex. 6]
- o Host Code: [Personal Privacy / Ex. 6]

- AT&T Connect

- o Web Conference URL: <https://www.connectmeeting.att.com>
- o Meeting Number(s): [Personal Privacy / Ex. 6]
- o Access Code: [Personal Privacy / Ex. 6]
- o Host Code: [Personal Privacy / Ex. 6]